DOTOTT" T6020260

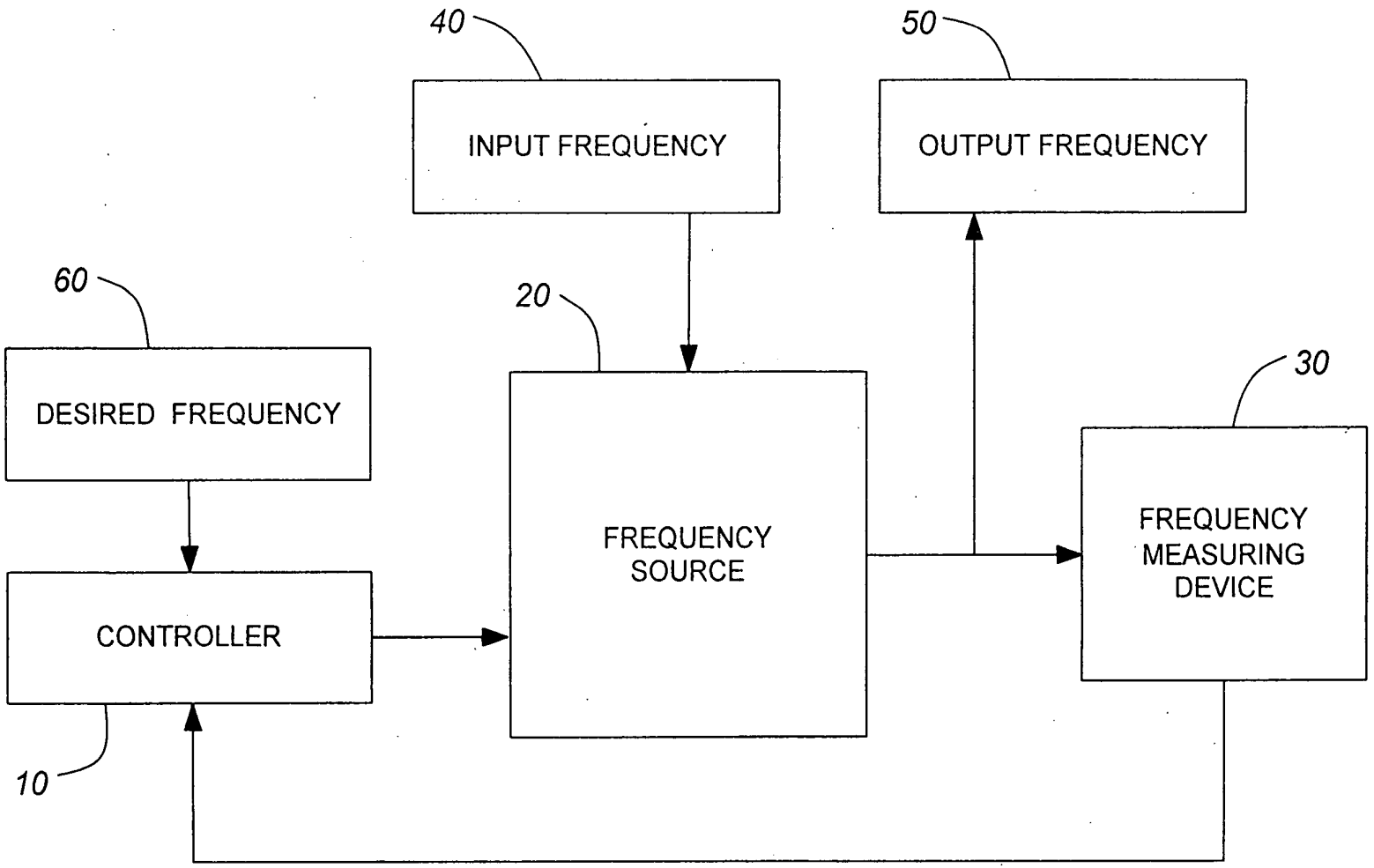

FIG. 1

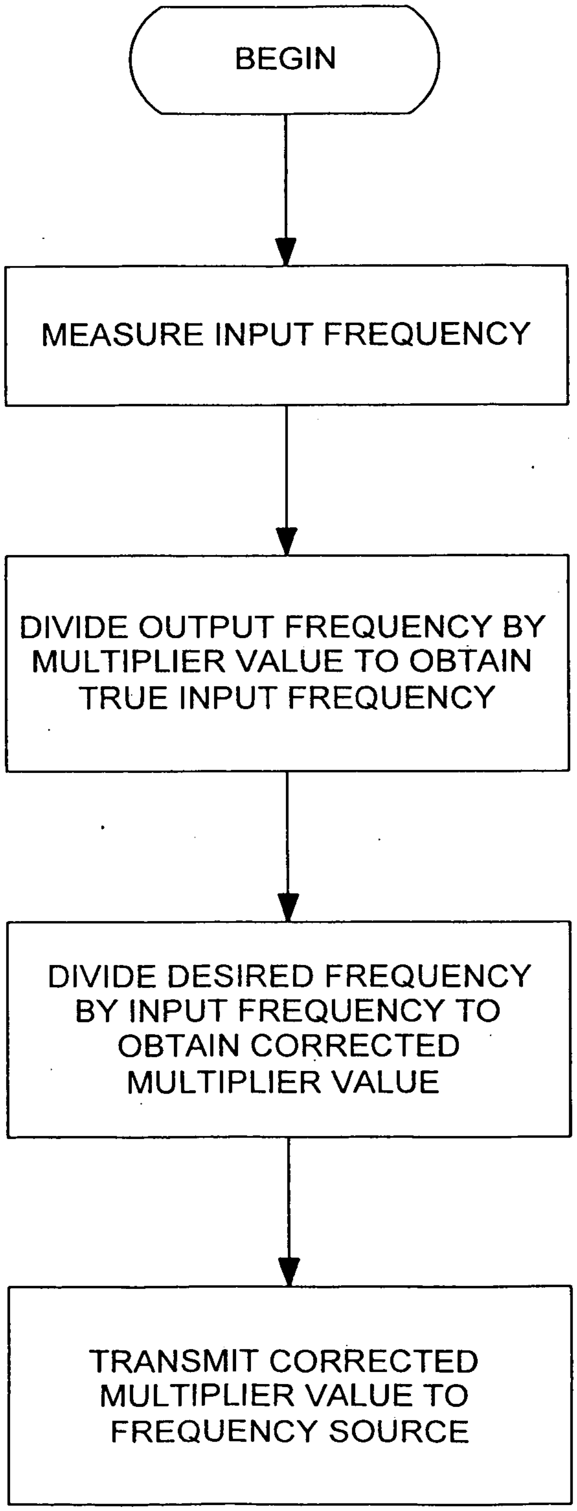
BEGIN
MEASURE INPUT FREQUENCY
DIVIDE OUTPUT FREQUENCY BY MULTIPLIER VALUE TO OBTAIN TRUE INPUT FREQUENCY
DIVIDE DESIRED FREQUENCY BY INPUT FREQUENCY TO OBTAIN CORRECTED MULTIPLIER VALUE
TRANSMIT CORRECTED MULTIPLIER VALUE TO FREQUENCY SOURCE

FIG. 2

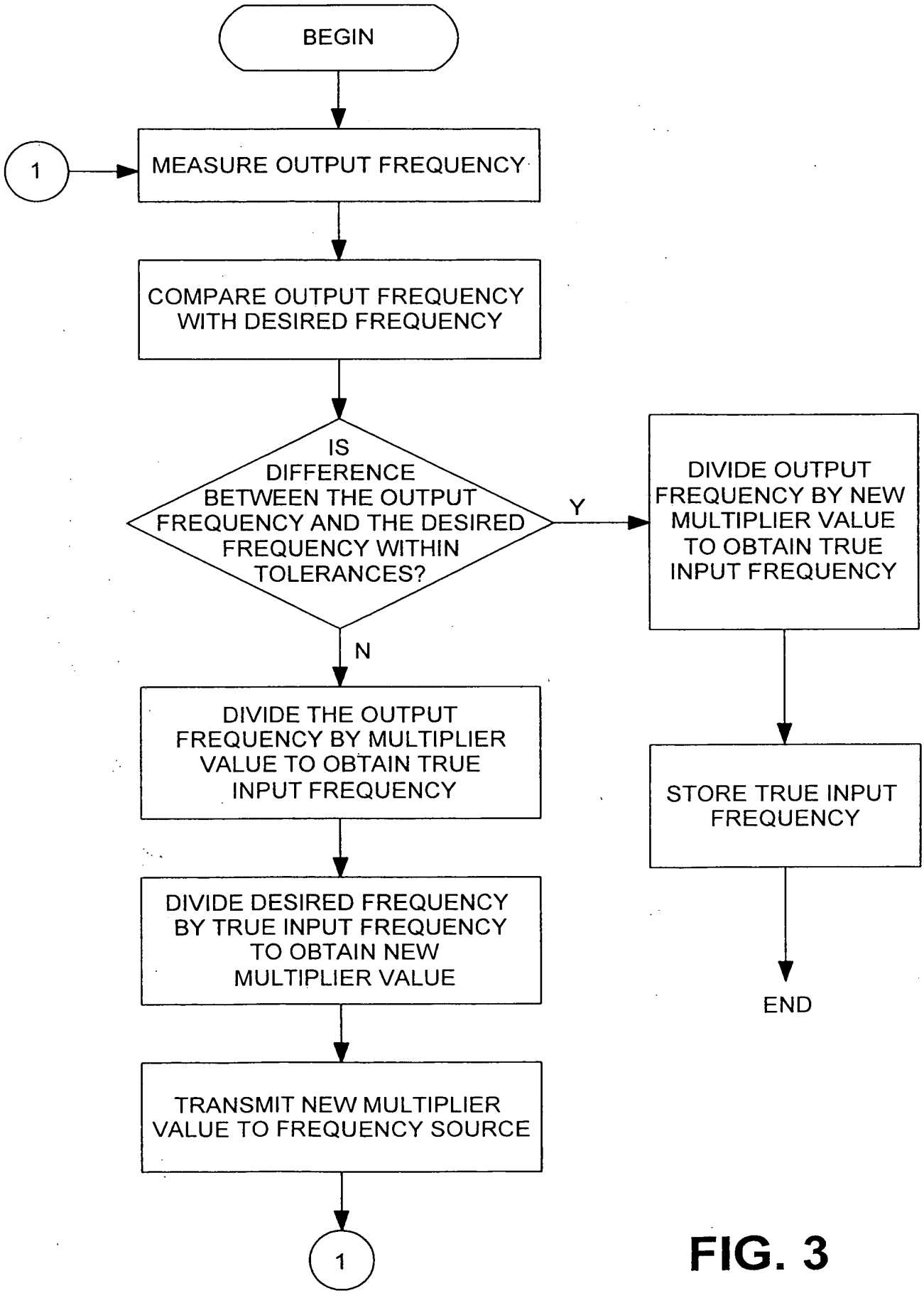
BEGIN
1
MEASURE OUTPUT FREQUENCY
COMPARE OUTPUT FREQUENCY WITH DESIRED FREQUENCY
IS DIFFERENCE BETWEEN THE OUTPUT FREQUENCY AND THE DESIRED FREQUENCY WITHIN TOLERANCES?
Y
N
DIVIDE OUTPUT FREQUENCY BY NEW MULTIPLIER VALUE TO OBTAIN TRUE INPUT FREQUENCY
STORE TRUE INPUT FREQUENCY
END
DIVIDE THE OUTPUT FREQUENCY BY MULTIPLIER VALUE TO OBTAIN TRUE INPUT FREQUENCY
DIVIDE DESIRED FREQUENCY BY TRUE INPUT FREQUENCY TO OBTAIN NEW MULTIPLIER VALUE
TRANSMIT NEW MULTIPLIER VALUE TO FREQUENCY SOURCE
1

FIG. 3

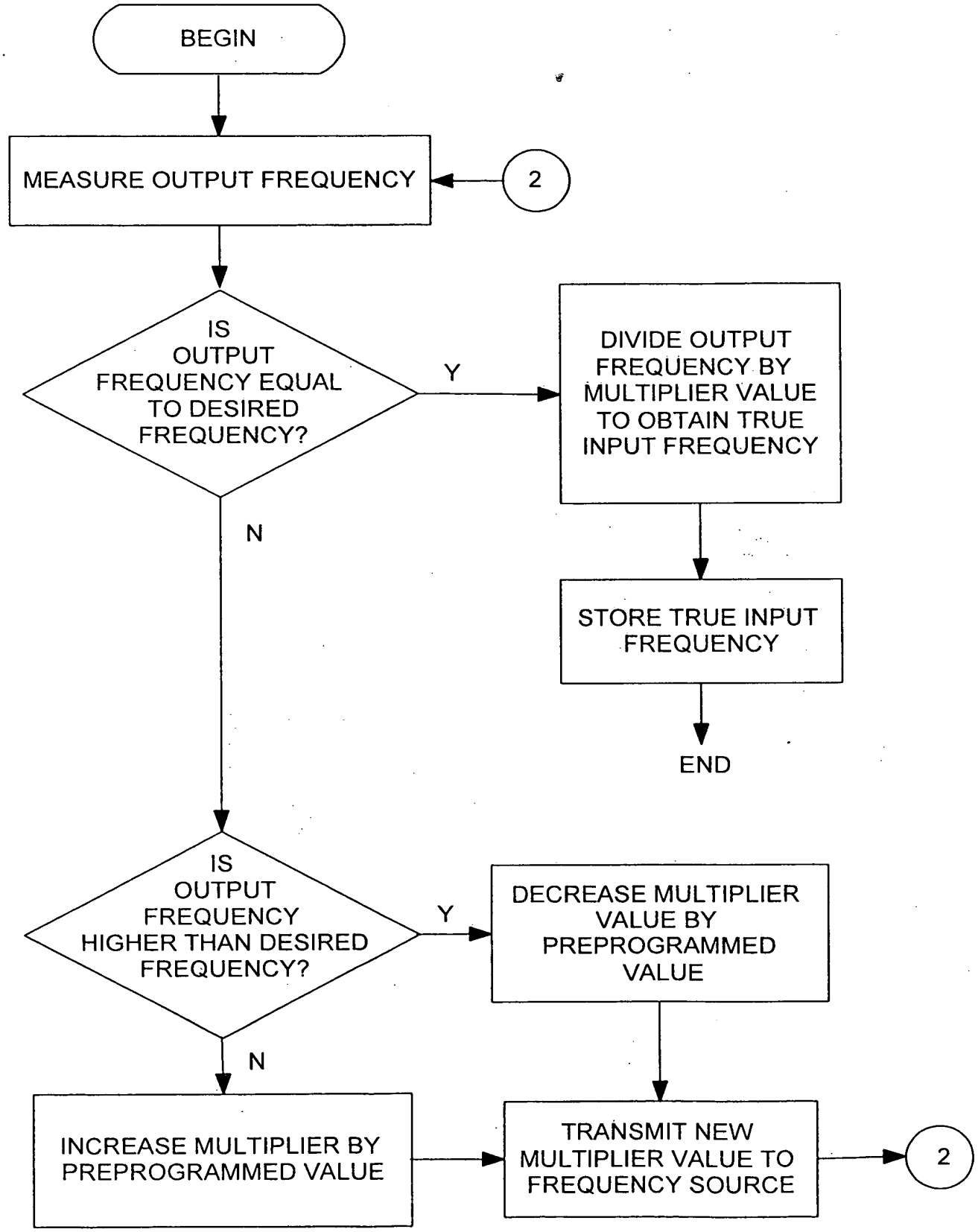
BEGIN
MEASURE OUTPUT FREQUENCY
2
IS OUTPUT FREQUENCY EQUAL TO DESIRED FREQUENCY?
Y
DIVIDE OUTPUT FREQUENCY BY MULTIPLIER VALUE TO OBTAIN TRUE INPUT FREQUENCY
N
STORE TRUE INPUT FREQUENCY
END
IS OUTPUT FREQUENCY HIGHER THAN DESIRED FREQUENCY?
Y
DECREASE MULTIPLIER VALUE BY PREPROGRAMMED VALUE
N
INCREASE MULTIPLIER BY PREPROGRAMMED VALUE
TRANSMIT NEW MULTIPLIER VALUE TO FREQUENCY SOURCE
2

FIG. 4

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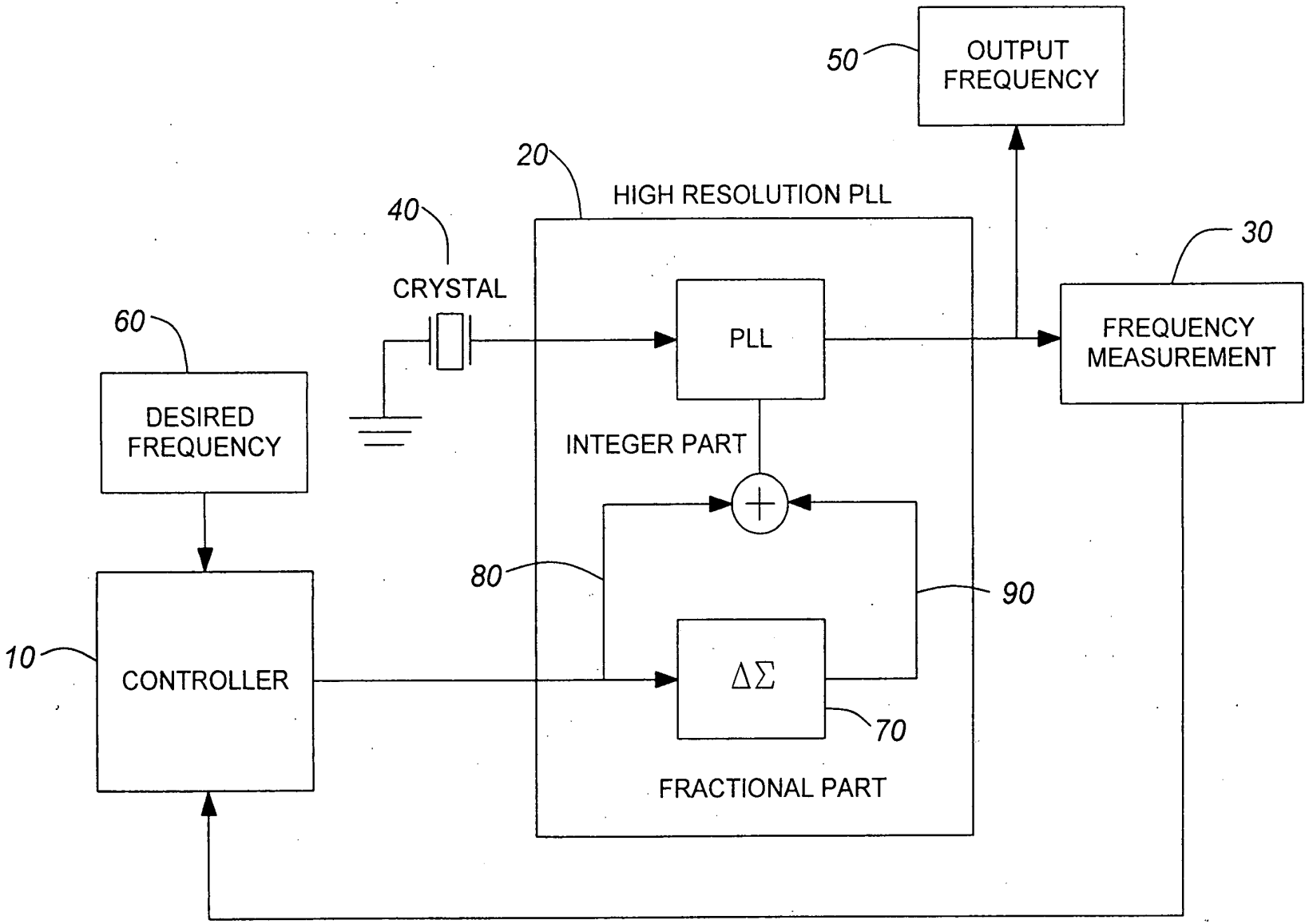

FIG. 5